

IN THE CLAIMS:

1 1. (amended) A hearing aid with a microphone system
2 (1) and a subsequent analog/digital converter (5), wherein
3 [characterized in that] the microphone system (1) is
4 encapsulated in a shielding case (3) and the analog/digital
5 converter (5) is mounted on the shielding case (3).

B1

1 2. (amended) [Hearing] The hearing aid as claimed in
2 claim 1, [characterized in that] wherein the analog/digital
3 converter (5) is encapsulated in a converter shielding case
4 (7a, 7b) which is set to the potential of the shielding
5 case (3) of the microphone system.

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Subj 1 3. (amended) [Hearing] The hearing aid as claimed in
2 [either of claims 1 and 2, characterized in that] claim 1,
3 wherein the microphone system (1) and the analog/digital
4 converter (5) are detachably combined in modular manner.

1 4. (amended) Analog/digital converter for a hearing
2 as claimed in at least one of claims 1 through 3,
3 characterized in that it The hearing aid as claimed in
4 claim 1, wherein said analog/digital converter comprises
5 [at least two] first and second analog inputs (I₁, I₂), said
6 first analog input (I₁) having a first input impedance (Z₁)
7 and a first input gain (G₁), said second analog input (I₂)
8 having a second input impedance (Z₂) and a second input gain
9 (G₂), and wherein either said first and second input

B2

10 impedances (Z₁, Z₂) are different from one another or said
11 first and second input gains (G₁, G₂) are different from one
12 another [of different input impedances (Z₁, Z₂) and/or with
13 different input gains (G₁, G₂)].

Su1E1 5. (new) The hearing aid as claimed in claim 2,
2 wherein the microphone system (1) and the analog/digital
3 converter (5) are detachably combined in modular manner.

1/2 6. (new) The hearing aid as claimed in claim 2,
2 wherein said analog/digital converter comprises first and
3 second analog inputs (I₁, I₂), said first analog input (I₁)
4 having a first input impedance (Z₁) and a first input gain
5 (G₁), said second analog input (I₂) having a second input
6 impedance (Z₂) and a second input gain (G₂), and wherein
7 either said first and second input impedances (Z₁, Z₂) are
8 different from one another or said first and second input
9 gains (G₁, G₂) are different from one another.

B3 7. (new) The hearing aid as claimed in claim 3,
2 wherein said analog/digital converter comprises first and
3 second analog inputs (I₁, I₂), said first analog input (I₁)
4 having a first input impedance (Z₁) and a first input gain
5 (G₁), said second analog input (I₂) having a second input
6 impedance (Z₂) and a second input gain (G₂), and wherein
7 either said first and second input impedances (Z₁, Z₂) are
8 different from one another or said first and second input
9 gains (G₁, G₂) are different from one another.